

CLEAN COPY OF THE AMENDED CLAIMS

1. ~~(Twice Amended)~~ A telephone to packet adapter for routing an outgoing call issued by a

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telephone set, said adapter comprising:

a telephone line interface configured to be connected to a telephone line;

a telephone interface configured to be connected to the telephone set;

a packet network interface configured to be connected to a packet network;

a controller circuit interconnecting said telephone line interface, said telephone interface and said packet network interface;

said controller circuit being so configured as to route said outgoing call to one of said telephone line and said packet network interfaces depending on at least one preestablished

10 routing rule;

wherein said at least one preestablished routing rule is such that a) said outgoing call is routed to said telephone line interface when a dialled telephone number is a local call and b) said outgoing call is routed to said packet network interface when the dialled telephone number is not a local call.

6. (Twice Amended) A telephone to packet adapter for routing an outgoing call issued by a telephone set, said adapter comprising:
- a telephone line interface configured to be connected to a telephone line;
- a telephone interface configured to be connected to the telephone set;
- a packet network interface configured to be connected to a packet network;
- a controller circuit interconnecting said telephone line interface, said telephone interface and said packet network interface;
- said controller circuit being so configured as to route said outgoing call to one of said telephone line and said packet network interfaces depending on at least one preestablished 10 routing rule;
- wherein said at least one preestablished routing rule is such that said outgoing call is routed to said telephone line interface when no packet network address corresponding to a dialled telephone number exist.

8. (Twice Amended) A telephone to packet adapter for routing an outgoing call issued by a telephone set, said adapter comprising:

a telephone line interface configured to be connected to a telephone line;

a telephone interface configured to be connected to the telephone set;

a packet network interface configured to be connected to a packet network;

a controller circuit interconnecting said telephone line interface, said telephone interface and said packet network interface;

wherein said controller circuit includes a telephone number database of telephone numbers that may be reached via the packet network; said at least one preestablished routing rule is such that a) said outgoing call is routed to said telephone line interface when a dialled telephone number is not present in said telephone number database and b) said outgoing call is routed to said packet network interface when the dialled telephone number is listed in said telephone number database.

9. (Twice Amended) A telephone to packet adapter for routing an outgoing call issued by a telephone set, said adapter comprising:

a telephone line interface configured to be connected to a telephone line;

a telephone interface configured to be connected to the telephone set;

a packet network interface configured to be connected to a packet network;

a controller circuit interconnecting said telephone line interface, said telephone interface and said packet network interface;

wherein said at least one preestablished routing rule is such that said outgoing call is routed to said telephone line interface when said packet network is inactive.

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19. (Twice Amended) A method for routing a telephone call issued by a telephone set via a telephone to packet adapter provided with a telephone line interface, a telephone interface, a packet network interface and a controller circuit interconnecting the telephone line, telephone and packet network interfaces; said method comprising the steps of:

connecting a telephone line to the telephone line interface;

connecting the telephone set to the telephone interface;

connecting the adapter to a packet network via the packet network interface;

running an agent software for routing the telephone call to either the telephone line interface or the packet network interface depending on at least one preestablished routing rule;

10 wherein said at least one preestablished routing rule includes a long distance call routing rule; said long distance call routing rule dictates that the telephone interface is to be routed to the packet network interface when a number dialled onto the telephone set is a long distance call.

23. (Twice Amended) A method for routing a telephone call issued by a telephone set via a

telephone to packet adapter provided with a telephone line interface, a telephone interface, a packet network interface and a controller circuit interconnecting the telephone line, telephone and packet network interfaces; said method comprising the steps of:

connecting a telephone line to the telephone line interface;

connecting the telephone set to the telephone interface;

connecting the adapter to a packet network via the packet network interface;

running an agent software for routing the telephone call to either the telephone line interface or the packet network interface depending on at least one preestablished routing rule;

10 wherein said at least one preestablished routing rule includes a default routing rule; said default routing rule dictates that the telephone interface is to be routed to the telephone line interface when either a) a number dialled onto the telephone set has no corresponding packet network address or b) the packet network is inactive.

25. (Twice Amended) A method for routing a telephone call issued by a telephone set via a

telephone to packet adapter provided with a telephone line interface, a telephone interface, a packet network interface and a controller circuit interconnecting the telephone line, telephone and packet network interfaces; said method comprising the steps of:

connecting a telephone line to the telephone line interface;

connecting the telephone set to the telephone interface;

connecting the adapter to a packet network via the packet network interface;

running an agent software for routing the telephone call to either the telephone line interface or the packet network interface depending on at least one preestablished routing rule;

10 wherein said at least one preestablished routing rule includes a database determined routing rule; said database determined routing rule dictates that a) the telephone interface is routed to the packet network interface when a number dialled onto the telephone set is present in a database of the controller circuit; and b) the telephone interface is routed to the telephone line interface when a number dialled onto the telephone set is not present in the database.